

Fuel System for Forklift

Fuel System for Forklift - The fuel systems job is to supply your engine with the diesel or gasoline it needs in order to work. If any of the fuel system parts breaks down, your engine will not run correctly. There are the main components of the fuel system listed below:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels downward the gas hose into your tank. Within the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps usually placed within the fuel tank. Many of the older automobiles will connect the fuel pump to the engine or placed on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, then it is electric and works with electricity from your cars' battery, while fuel pumps which are connected to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have small openings which can block effortlessly. Filtering the fuel is the only way this could be prevented. Filters can be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Most domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to carry out the job of mixing the fuel and the air, a computer controls when the fuel injectors open so as to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve that closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without any involvement from a computer. Carburetors require frequent tuning and rebuilding though they are simple to work. This is amongst the main reasons the newer vehicles obtainable on the market have done away with carburetors in favor of fuel injection.